MFJ

Dual-Band OCFD Wire Antenna

75/40 meters

Model MFJ-2014

INSTRUCTION MANUAL

CAUTION: Read All Instructions Before Operating Equipment

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VERSION 1A

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DISCLAIMER

Information in this manual is designed for **user purposes only** and is ***not*** intended to supersede information contained in customer regulations, technical manuals/documents, positional handbooks, or other official publications. The copy of this manual provided to the customer will ***not*** be updated to reflect current data.

Customers using this manual should report errors or omissions, recommendations for improvements, or other comments to MFJ Enterprises, 300 Industrial Park Road, Starkville, MS 39759. Phone: (662) 323-5869; FAX: (662) 323-6551. Business hours: M-F 8-4:30 CST.

MFJ-2014 Dual-Band Off-Center Fed Dipole

for 75/40 meters

Introduction

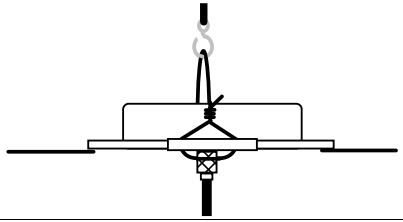
Thank you for purchasing the MFJ-2014 OCFD. The 75/40-meter OCFD combines a potent 40-Meter DX array with a top performing 75-meter half-wave dipole and allows you to enjoy the convenience of operating on the two bands with top performance on both.

Installing Feedline

Use any good quality 50-ohm coaxial cable capable of handling the maximum amount of power you intend to run. Losses are minimal at 40 and 80 meters, so a lighter weight cable such as RG-58 or RG8X may be used for power levels up to several hundred watts safely. However, if your amplifier runs maximum legal power, or if you plan to mount the antenna an extended distance from your operating location, a heavier RG-8 style cable is recommended. No external balun is needed at the feedpoint – one is already built into the Match-Maker™ network (for some installations, you may choose to install a second in-line current choke such as the MFJ-915 where the coax enters your building to eliminate RF induced onto the cable along its run). The coax connection at the feed block should be protected against water incursion with Coax-Seal™ or a high-quality water-sealing tape.

Installation

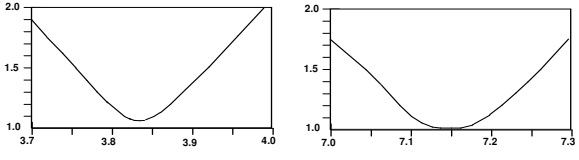
At 122 feet in length, the MJ-2014 may be installed in place of your present 75-meter dipole. Mount it at conventional residential heights (35-70 feet) for best results. If a high support is available near the feedpont, holes are provided on the feed block for installing a halyard to reduce sag (see below).



General Operating Information

The MFJ-2014 has been extensively power tested and is rated to handle maximum legal power (1500 Watts PEP) on SSB and CW. However, because the matching network is contained in a compact enclosure with limited ventilation, output should be de-rated by at least 50% for RTTY and other high duty cycle modes where prolonged transmission are anticipated.

Whenever possible, antennas should be mounted in the clear and in the open, well away from large conductive objects or wires that could cause detuning and interfere with normal operation. Typical SWR plots for the MFJ-2014 are shown below (SWR performance can vary with different ground conditions and general surroundings).



Specifications

Impedance:	50 Ohms nominal
2:1 Bandwidth:	
75 Meters	300 kHz
40 Meters	Full-band coverage
Gain:	
75 Meters	6 dBi peak over average ground
40 Meters	9 dBi peak over average ground
Power Rating:	1500 PEP SSB and CW (de-rate 50% for RTTY)
Length:	122 Feet
Weight:	3 lbs without feedline

Technical Assistance

If you have any problem with this unit first check the appropriate section of this manual. If the manual does not reference your problem or your problem is not solved by reading the manual you may call *MFJ Technical Service* at **662-323-0549** or the *MFJ Factory* at **662-323-5869**. You will be best helped if you have your unit, manual and all information on your station handy so you can answer any questions the technicians may ask.

You can also send questions by mail to MFJ Enterprises, Inc., 300 Industrial Park Road, Starkville, MS 39759; by Facsimile to 662-323-6551; or by email to techinfo@mfjenterprises.com. Send a complete description of your problem, an explanation of exactly how you are using your unit, and a complete description of your station.

LIMITED 12 MONTH WARRANTY

MFJ Enterprises, Inc. warrants to the original owner of this product, if manufactured by MFJ Enterprises, Inc. and purchased from an authorized dealer or directly from MFJ Enterprises, Inc. to be free from
defects in material and workmanship for a period of 12 months from date of purchase provided the following terms of this warranty are satisfied.

1. The purchaser must retain the dated proof-of-purchase (bill of sale, canceled check, credit card or money order receipt, etc.) describing the product to establish the validity of the warranty claim and submit the original or machine reproduction of such proof of purchase to MFJ Enterprises, Inc. at the time of warranty service. MFJ Enterprises, Inc. shall have the discretion to deny warranty without dated proof-of-purchase. Any evidence of alteration, erasure, or forgery shall be cause to void any and all warranty terms immediately.

2. MFJ Enterprises, Inc. agrees to repair or replace at MFJ's option without charge to the original owner any defective product under warrantee provided the product is returned postage prepaid to
MFJ Enterprises, Inc. with a personal check, cashiers check, or money order for **$10.00** covering postage and handling.

3. This warranty is **NOT** void for owners who attempt to repair defective units. Technicalconsultation is available by calling the Service Department at 662-323-0549 or the MFJ Factory at 662-323-5869.

4. This warranty does not apply to kits sold by or manufactured by MFJ Enterprises, Inc.

5. Wired and tested PC board products are covered by this warranty provided **only the wired and tested PC board product is returned.** Wired and tested PC boards installed in the owner's cabinet or connected to switches, jacks, or cables, etc. sent to MFJ Enterprises, Inc. will be
returned at the owner's expense unrepaired.

6. Under no circumstances is MFJ Enterprises, Inc. liable for consequential damages to person or
property by the use of any MFJ products.

7. Out-of-Warranty Service: MFJ Enterprises, Inc. will repair any out-of-warranty product provided the unit is shipped prepaid. All repaired units will be shipped COD to the owner. Repair charges will be added to the COD fee unless other arrangements are made.

8. This warranty is given in lieu of any other warranty expressed or implied.

9. MFJ Enterprises, Inc. reserves the right to make changes or improvements in design or manufacture without incurring any obligation to install such changes upon any of the products previously manufactured.

10. All MFJ products to be serviced in-warranty or out-of-warranty should be addressed to:

MFJ Enterprises, Inc.
300 Industrial Park Road
Starkville, Mississippi 39759 USA

and must be accompanied by a letter describing the problem in detail along with a copy of your dated proof-of-purchase.

11. This warranty gives you specific rights, and you may also have other rights which vary from state to state.

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